

Docket No.: 50341-041

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PATENT

#8

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Joanne E. BURN, et al.

Serial No.: 09/857,346

Filed: June 04, 2001

For: CONTROL OF FLOWERING

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: Group Art Unit: not yet assigned
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: Examiner: not yet assigned
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

The relevance of each non-English language reference, if any, is discussed in the present specification.

09/857,346

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	G. An, B. Watson, S. Stachel, M. Gordon, & E. Nester, "New Cloning Vehicles for Transformation of Higher Plants," <i>The EMBO Journal</i> , Vol. 4, No. 2, pp. 277-284, 1985.						
	C. Armstrong, W. Petersen, W. Buchholz, B. Bowen, & S. Sule, "Factors Affecting PEG-Mediated Stable Transformation of Maize Protoplasts," <i>Plant Cell Reports</i> , 9, 1990, pp. 335-339.						
	D. Bagnall, "Control of Flowering in <i>Arabidopsis thaliana</i> by Light, Vernalisation and Gibberellins," <i>Australian Journal of Plant Physiology</i> , 19, 1992, pp. 401-409.						
	N. Bechtold, J. Ellis & G. Pelletier, " <i>In planta Agrobacterium</i> Mediated Gene Transfer by Infiltration of Adult <i>Arabidopsis thaliana</i> Plants," <i>Life Sciences</i> , C.R. Academy of Science, 316, 1993, pp. 1194-1199.						
	M. Bevan, "Binary <i>Agrobacterium</i> Vectors for Plant Transformation," <i>Nucleic Acids Research</i> , Vol. 12, No. 22, 1984, pp. 8711-8721.						
	J. Brumbaugh, L. Middendorf, D. Grone, & J.L. Ruth, "Continuous, on-line DNA Sequencing Using Oligodeoxynucleotide Primers with Multiple Fluorophores," <i>Proc. National Academy of Science</i> , Vol. 85, August 1998, pp. 5610-5614.						
	C. Chang, J. Bowman, A. DeJohn, E. Lander, & E. Meyerowitz, "Restriction Fragment Length Polymorphism Linkage Map for <i>Arabidopsis thaliana</i> ," <i>Proc. National Academy of Science</i> , Vol. 85, September 1998, pp. 6856-6860.						
	M. Chou & C. Yang, " <i>FLD</i> Interacts with Genes that Affect Different Developmental Phase Transitions to Regulate <i>Arabidopsis</i> Shoot Development," <i>The Plant Journal</i> , Vol. 15, Issue 2, July 1998, pp. 231-242.						
	P. Christou, D. McCabe, & W. Swain, "Stable Transformation of Soybean Callus by DNA-Coated Gold Particles," <i>Plant Physiology</i> , 87, 1988, pp. 671-674.						
	A. Crossway, J. Oakes, J. Irvine, B. Ward, V. Knauf, & Shewmaker, "Integration of Foreign DNA Following Microinjection of Tobacco Mesophyll Protoplasts," <i>MGG</i> , 202, 1986, pp. 179-185.						
EXAMINER				DATE CONSIDERED			

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						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	C. Dean, C. Sjodin, T. Page, J. Jones, & C. Lister, "Behaviour of the Maize Transposable Element Ac in <i>Arabidopsis thaliana</i> ," <i>The Plant Journal</i> , Vol. 2, No. 1, 1992, pp. 69-81.						
	J. Devereux, P. Haeberli, & O. Smithies, "A Comprehensive Set of Sequence Analysis Programs for the VAX," <i>Nucleic Acids Research</i> , Vol. 12, No. 1, 1984, pp. 387-395.						
	R. Dolferus, M. Jacobs, W. Peacock, & E. Dennis, "Differential Interactions of Promoter Elements in Stress Responses of the <i>Arabidopsis Adh</i> Gene," <i>Plant Physiology</i> , 105, pp. 1075-1087.						
	S. Elledge, J. Mulligan, S. Ramer, M. Spottswood, & R. Davis, "YES: A Multifunctional cDNA Expression Vector for the Isolation of Genes by Complementation of Yeast and <i>Escherichia coli</i> Mutations," <i>Proc. National Academy of Science</i> , Vol. 88, March 1991, pp. 1731-1735.						
	A. Feinberg & B. Vogelstein, "A Technique for Radiolabeling DNA Restriction Endonuclease Fragments to High Specific Activity," <i>Analytical Biochemistry</i> , 132, 1983, pp. 6-13.						
	E. Finnegan, G. Lawrence, E. Dennis & J. Ellis, "Behaviour of Modified Ac Elements in Flax Callus and Regenerated Plants," <i>Plant Molecular Biology</i> , 22, 1993, pp. 625-633.						
	E. Finnegan, W. Peacock, & E. Dennis, "Reduced DNA Methylation in <i>Arabidopsis thaliana</i> Results in Abnormal Plant Development," <i>Proc. National Academy of Science</i> , Vol. 93, August 1996, pp. 8449-8454.						
	M. Fromm, L. Taylor, & V. Walbot, "Expression of Genes Transferred into Monocot and Dicot Plant Cells by Electroporation," <i>Proc. National Academy of Science</i> , Vol. 82, September 1985, pp. 5824-5828.						
	A. Gleave, "A Versatile Binary Vector System with a T-DNA Organisational Structure Conducive to Efficient Integration of Cloned DNA into the Plant Genome," <i>Plant Molecular Biology</i> , 20, 1992, pp. 1203-1207.						
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
	E. Harlow & D. Lano, <i>Antibodies: A Laboratory Manual</i> , Cold Spring Harbor Laboratory, 1988.					
	L. Herrera-Estrella, A. Depicker, M. Van Montagu & J. Schell, "Expression of Chimaeric Genes Transferred into Plant Cells Using a Ti-Plasmid-Derived Vector," <i>Nature</i> , Vol. 303, 19 May 1983, pp. 209-213.					
	L. Herrera-Estrella, M. De Block, E. Messens, J. Hernalsteens, M. Van Montagu & J. Schell, "Chimeric Genes as Dominant Selectable Markers in Plant Cells," <i>The EMBO Journal</i> , Vol. 2, No. 6, 1983, pp. 987-995.					
	<i>Plant Genetic Engineering</i> , ed. John H. Dodds, Cambridge University Press, London: 1985, pp. 61-93.					
	S. Kempin, B. Savidge, & M. Yanofsky, "Molecular Basis of the <i>cauliflower</i> Phenotype in <i>Arabidopsis</i> , <i>Science</i> , Vol. 267, 27 January 1995, pp. 522-525.					
	C. Koncz & J. Schell, "The Promoter of T _L -DNA Gene 5 Controls the Tissue-Specific Expression of Chimaeric Genes Carried by a Novel Type of <i>Agrobacterium</i> Binary Vector," <i>MGG</i> , 204, 1986, pp. 383-396.					
	M. Koornneef, C. Hanhart, & H. van der Veen, "A Genetic and Physiological Analysis of Late Flowering Mutants in <i>Arabidopsis thaliana</i> ," <i>MGG</i> , 229, 1991, pp. 57-66.					
	M. Koornneef, H. Blankestijn-de Vries, C. Hanhart, W. Soppe & T. Peeters, "The Phenotype of Some Late-Flowering Mutants is Enhanced by a Locus on Chromosome 5 that is not Effective in the Landsberg <i>erecta</i> Wild-Type," <i>The Plant Journal</i> , 6, 6, pp. 911-919.					
	F. Kerns, L. Molendijk, G. Wullems & R. Schilperoort, "In Vitro Transformation of Plant Protoplasts with Ti-Plasmid DNA," <i>Nature</i> , Vol. 296, 4 March 1982, pp. 72-74.					
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J. Langridge, "The Aseptic Culture of <i>Arabidopsis Thaliana</i> (L.) Heynh," 1957, pp. 243-252.							
G. Lawrence, J. Finnegan & J. Ellis, "Instability of the L ⁶ Gene for Rust Resistance in Flax is Correlated with the Presence of a Linked <i>Ac</i> Element," <i>The Plant Journal</i> , 4, 4, 1993, pp. 659-669.							
G. Lazo, P. Stein & R. Ludwig, "A DNA Transformation-Competent <i>Arabidopsis</i> Genomic Library in <i>Agrobacterium</i> ," <i>Bio/Technology</i> , Vol. 9, October 1991, pp. 963-967.							
I. Lee, S. Michaels, A. Masshardt & R. Amasino, "The Late-Flowering phenotype of FRIGIDA and mutations in LUMINDEPENDENS is suppressed in the Landsberg <i>erecta</i> strain of <i>Arabidopsis</i> ," <i>The Plant Journal</i> , 6, 6, 1994, pp. 903-909.							
C. Lister & C. Dean, "Recombinant inbred lines for mapping RFLP and pheotypic markers in <i>Arabidopsis thaliana</i> ," <i>The Plant Journal</i> , 4, 4, pp. 745-750.							
J. Logemann, J. Schell, & L. Willmitzer, "Improved Method for the Isolation of RNA from Plant Tissues," <i>Analytical Biochemistry</i> , 163, 1987, pp. 16-20.							
M. Mandel, C. Gustafson-Brown, B. Savidge & M. Yanofsky, "Molecular characterization of the <i>Arabidopsis</i> floral homeotic gene APETALA1," <i>Nature</i> , Vol. 360, 19 Novemeber 1992, pp. 273-277.							
T. McNellis, M. Mudgett, K. Li, T. Aoyama, D. Horvath, N. Chua & B. Staskawicz, "Glucocorticoid-inducible expression of a bacterial avirulence gene in transgenic <i>Arabidopsis</i> induces hypersensitive cell death," <i>The Plant Journal</i> , 14, 2, 1998, pp. 247-257.							
T. Newman et al., "Genes Galore: A Summary of Methods for Accessing Results from Large-Scale Partial Sequencing of Anonymous <i>Arabidopsis</i> cDNA Clones," <i>Plant Physiology</i> , 106, 1994, pp. 1241-1255.							
J. Paszkowski, R. Shillito, M. Saul, V. Mandak, T. Hohn, B. Hohn, & I. Potrykus, "Direct Gene Transfer to Plants," <i>The EMBO Journal</i> , Vol. 3, No. 12, 1984, pp. 2717-2722.							
K. Napp-Zinn, " <i>Arabidopsis Thaliana</i> ," <i>CRC Handbook of Flowering</i> , Vol. 1, pp. 492-503.							
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	M. Pietrzak, R. Shillito, T. Hohn & I. Potrykus, "Expression in plants of two bacterial antibiotic resistance genes after protoplast transformation with a new plant expression vector," <i>Nucleic Acids Research</i> , Vol. 14, No. 14, 1986, pp. 5857-5868.						
	S. Rounsley, G. Ditta, & M. Yanofsky, "Diverse Roles for MADS Box Genes in <i>Arabidopsis</i> Development," <i>The Plant Cell</i> , Vol. 7, August 1995, pp. 1259-1269.						
	J. Sanford, F. Smith, & J. Russell, "Optimizing the Biolistic Process for Different Biological Applications," <i>Methods in Enzymology</i> , Vol. 217, 1993, pp. 483-509.						
	F. Sanger, S. Nicklen, & A. Coulson, "DNA Sequencing with Chain-Terminating Inhibitors," <i>Proc. Natl. Acad. Sci.</i> , Vol. 74, No. 12, December 1977, pp. 5463-5467.						
	R. Schaffer et al., "The <i>late elongated hypocotyl</i> Mutation of <i>Arabidopsis</i> Disrupts Circadian Rhythms and the Photoperiodic Control of Flowering," <i>Cell</i> , Vol. 93, 26 June 1998, pp. 1219-1229.						
	S. Shannon & D. Meeks-Wagner, "A mutation in the <i>Arabidopsis TFL1</i> gene affects inflorescence meristem development," <i>The Plant Cell</i> , Vol. 3, September 1991, pp. 877-892.						
	E. Southern, "Detection of specific sequences among DNA fragments separated by gel electrophoresis," <i>Journal of Molecular Biology</i> , 98, 1975, pp. 503-517.						
	D. Weigel, H. Alvarez, D. Smyth, M. Yanofsky & E. Meyerwitz, " <i>LEAFY</i> Controls Floral Meristem Identity in <i>Arabidopsis</i> ," <i>Cell</i> , Vol. 69, 29 May 1992, pp. 843-859.						
	Z. Sung, A. Belachew, B. Shunong & R. Bertrand-Garcia, " <i>EMF</i> , An <i>Arabidopsis</i> Gene Required for Vegetative Shoot Development," <i>Science</i> , Vol. 258, 4 December 1992, pp. 1645-1647.						
	D. Valvekens, M. Van Montagu, & M. Van Lijsebettens, " <i>Agrobacterium tumefaciens</i> -mediated transformation of <i>Arabidopsis thaliana</i> root explants by using kanamycin selection," <i>Proc. Natl. Acad. Sci.</i> , Vol. 85, August 1988, pp. 5536-5540.						
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